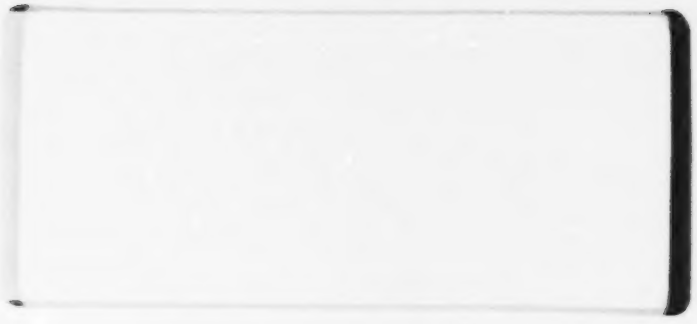

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MANITOBA

REGIONAL LIFE EXPECTANCIES

1985-87

Price: $15.

MBS 88-4

August, 1988

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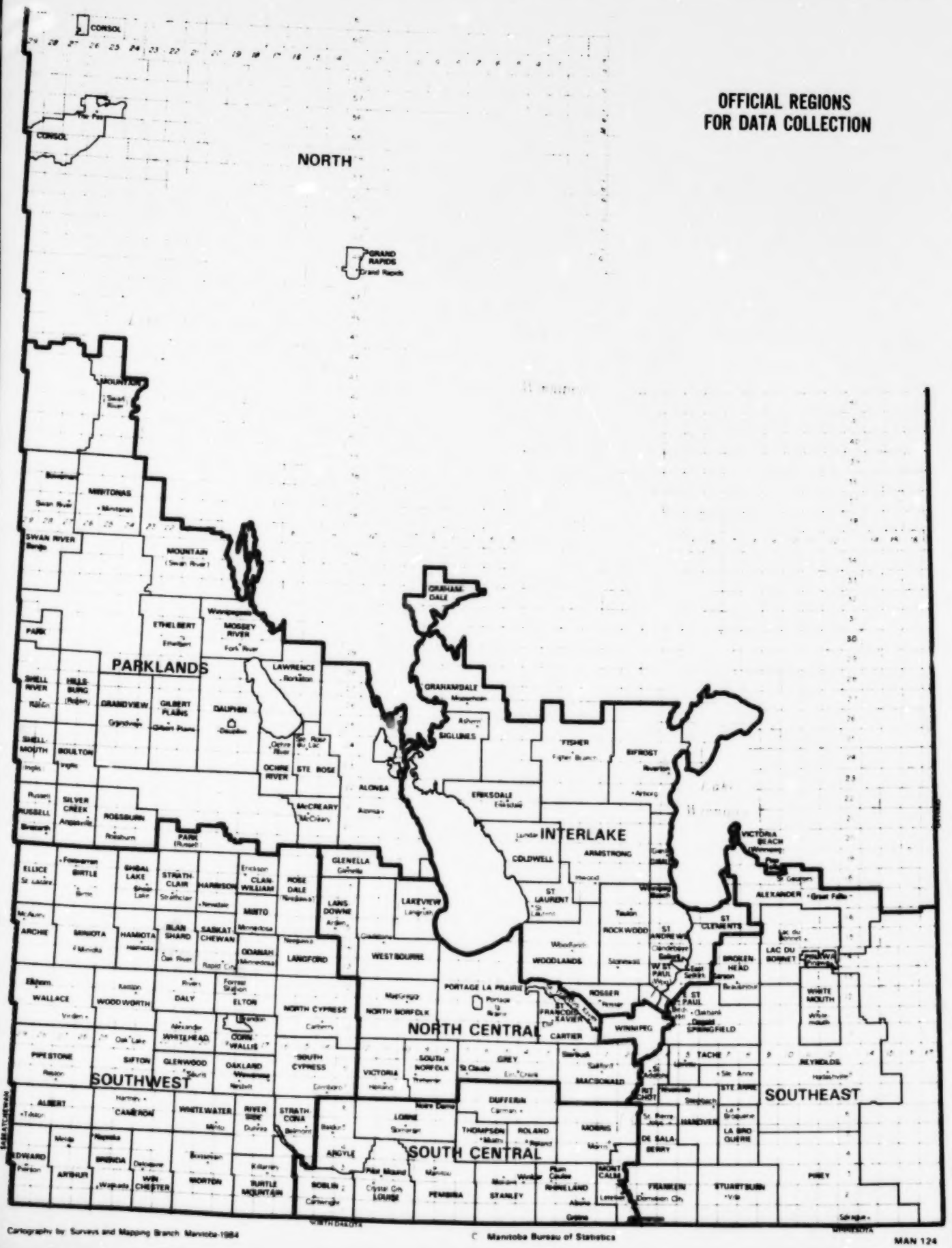

Cartography by Surveys and Mapping Branch Manitoba-1984

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MANITOBA REGIONAL LIFE EXPECTANCIES
1985 - 1987

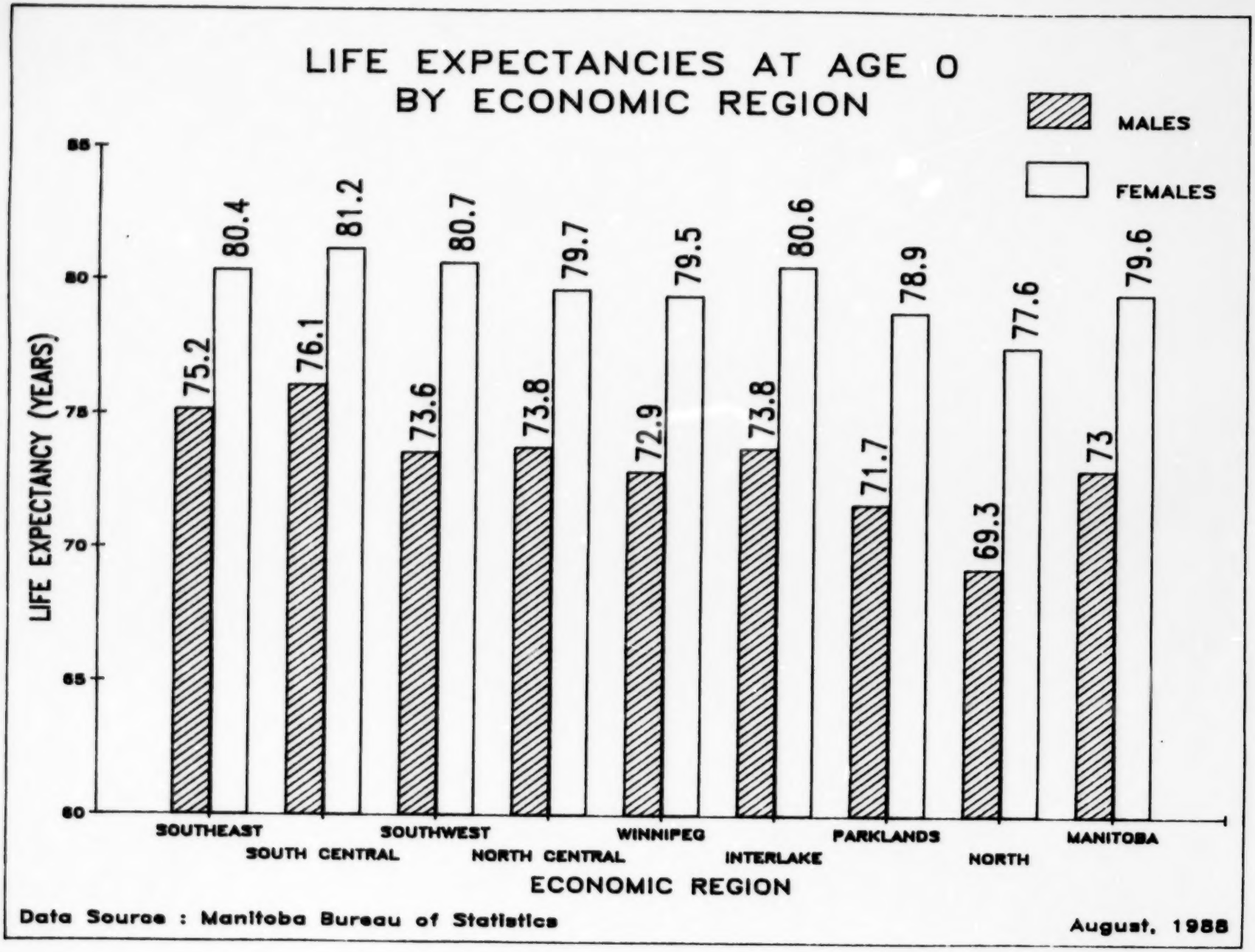
I. INTRODUCTION:

This article presents Life Expectancy Tables for Manitoba and its regions by age group and sex. The life expectancies, developed by the Manitoba Bureau of Statistics have been obtained from abridged life tables. Mortality data from 1985 to 1987 as reported to the Office of Vital Statistics, Department of Community Services, was utilized in constructing the tables. The reference population is the June 1, 1986 Census counts adjusted for the estimated 8,216 people on sixteen unenumerated Indian reserves.

Manitoba is divided into eight Official Regions for Data Collection, also referred to as economic regions. The following table depicts the relationship between data collection region, economic region and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	60	1,2,12
South Central	61	3,4
Southwest	62	5,6,7,15
North Central	63	8,9,10
Winnipeg	64	11
Interlake	65	13,14,18
Parklands	66	16,17,20
North	67	19,21,22,23

Further information on these life tables can be obtained from David Greenwood of the Manitoba Bureau of Statistics at (204) 945-2989.


LIFE EXPECTANCIES AT AGE 0
BY ECONOMIC REGION
MALES
FEMALES
LIFE EXPECTANCY (YEARS)
85
80
75
70
65
60
75.2
80.4
76.1
81.2
73.6
80.7
73.8
79.7
72.9
79.5
73.8
80.6
71.7
78.9
69.3
77.6
73
79.6
SOUTHEAST
SOUTH CENTRAL
SOUTHWEST
NORTH CENTRAL
WINNIPEG
INTERLAKE
PARKLANDS
NORTH
MANITOBA
ECONOMIC REGION
Data Source : Manitoba Bureau of Statistics
August, 1988

II. LIFE TABLE OVERVIEW:

Life tables are, in essence, one form of combining mortality rates of a population at different ages into a single statistical model. They are principally used to measure the level of mortality of the population being investigated.

There are two types of life tables: current and generation. The first type is based on experience over one year, three years, an intercensal period, etc., in which mortality remains substantially the same. The second type is based on mortality rates experienced by a particular birth cohort (e.g., all persons born in the year 1900). The mortality experience of the persons in this cohort will be observed from their birth through each consecutive age in successive calendar years until all of them die.

Life tables are further classified into complete or abridged - according to the length of the age interval in which the data are presented. A complete life table presents data for every single year of age while the abridged table presents data by intervals of five or ten years.

Since the mortality data used to calculate the tables in this report are from 1985 to 1987, current life tables have been produced. Due to the low number of deaths by single year of age and sex within each region, abridged life tables have been produced with intervals of five years.

The expectation of life, or the mean number of years of life in any age group is the expected number of years remaining to be lived to that age group. For example, Manitoba females in the fifteen to nineteen age group are expected to live an additional 65.6 years. The chart on the opposite page presents the 1986 life expectancies at age 0 by region and sex.

Detailed life table methodologies can be found in the Statistics Canada publication "Life Table Methodology, Canada and Provinces" by Dhruva Nagnur and "The Methods and Materials of Demography, Volume 2" by the United States Bureau of the Census.

TABLE 1. REGIONAL LIFE EXPECTANCIES - MALES

AGE GROUP	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
0	75.2	76.1	73.6	73.8	72.9	73.8	71.7	69.3	73.0
1 - 4	74.7	75.6	73.3	73.3	72.7	73.4	71.5	69.4	72.8
5 - 9	70.9	71.7	69.6	69.5	68.8	69.5	67.7	65.7	68.9
10 - 14	65.9	66.8	64.6	64.6	63.8	64.5	62.8	60.7	64.0
15 - 19	61.0	61.8	59.6	59.7	58.9	59.5	57.9	55.9	59.1
20 - 24	56.4	57.0	54.9	55.1	54.1	54.9	53.4	51.5	54.4
25 - 29	51.7	52.3	50.2	50.6	49.4	50.5	49.3	47.4	49.8
30 - 34	47.0	47.6	45.5	45.9	44.6	45.7	44.6	43.1	45.1
35 - 39	42.2	42.8	40.7	41.2	39.9	41.2	40.0	38.7	40.4
40 - 44	37.4	37.9	36.0	36.4	35.2	36.5	35.6	34.2	35.7
45 - 49	32.7	33.2	31.4	31.7	30.5	31.9	31.0	30.0	31.1
50 - 54	28.0	28.9	26.9	27.3	26.2	27.4	26.9	25.9	26.7
55 - 59	23.7	24.3	22.5	22.9	22.1	23.0	23.0	22.0	22.5
60 - 64	19.4	20.3	18.6	18.8	18.3	19.4	19.2	18.3	18.6
65 - 69	15.7	16.3	15.0	15.0	14.8	16.1	15.6	15.1	15.1
70 - 74	12.6	12.8	12.0	12.4	11.7	12.7	12.4	12.1	12.0
75 - 79	9.7	9.8	9.3	9.6	9.1	9.8	9.4	9.4	9.3
80 - 84	7.4	7.2	6.9	7.0	6.9	7.6	6.5	7.4	7.0
85 - 89	4.9	5.0	4.9	4.6	5.1	5.4	4.6	5.4	5.0
90 +	2.9	4.5	3.4	3.3	3.8	3.9	3.1	3.4	3.6

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III. LIFE TABLE ANALYSIS

Tables 1 and 2 contain the computed life expectancies for Manitoba and its eight economic regions for males and females respectively. A brief analysis of these life expectancies follows:

i) Male Expectancies by Region and Age Group:

The 1986 Manitoba male life expectancy at age 0 is 73.0 years of age. This figure, compared to the 1981 expectancy of 72.1, shows an increased expectancy of 0.9 years over a five year period. Statistics Canada has a 1985 estimate of 73.1 years for Manitoba. The male expectation of life is the average remaining years of life to be lived for that age group on the basis of a given set of mortality rates. For example, the Manitoba males in the 1 to 4 age group are expected to live another 72.8 years.

Only three regions have a life expectancy at age 0 below the provincial figure of 73.0 : Winnipeg at 72.9, Parklands at 71.7 and the North at 69.3 years of age. A low life expectancy at birth is a result of a proportionally large number of deaths in the early age groups. In the North region, the relative large proportion of deaths is in the under thirty-five age groups is especially noticeable.

The South Central and Southeast regions fare the best with life expectancies at age 0 of 76.1 and 75.2 years respectively. Closer to the provincial figure are the Southwest, North Central and Interlake regions with life expectancies at age 0 of 73.6, 73.8 and 73.8 respectively.

For Manitobans reaching their 90th birthday, their life expectancy is an average (median) of 3.6 years. The regional life expectancies for people in the 90 or more years of age ranges from 2.9 years in the Southeast region to 4.5 years in the South Central region. The Southeast, with the second highest life expectancy at age 0 and the lowest in the 90 or more category, illustrates that a high life expectancy at age zero does not necessitate a high life expectancy in the 90 or more category.

TABLE 2. REGIONAL LIFE EXPECTANCIES - FEMALES

AGE GROUP	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
0	80.4	81.2	80.7	79.7	79.5	80.6	78.9	77.6	79.6
1 - 4	80.1	80.9	80.2	79.0	79.3	79.9	78.3	77.3	79.3
5 - 9	76.4	77.1	76.4	75.2	75.4	76.1	74.5	73.8	75.5
10 - 14	71.5	72.1	71.4	70.3	70.4	71.1	69.5	68.9	70.5
15 - 19	66.5	67.2	66.4	65.3	65.5	66.1	64.6	64.0	65.6
20 - 24	61.7	62.4	61.6	60.4	60.6	61.2	59.9	59.3	60.8
25 - 29	56.8	57.6	56.7	55.4	55.7	56.3	55.2	54.5	55.9
30 - 34	51.9	52.7	51.7	50.6	50.8	51.3	50.3	49.7	51.0
35 - 39	47.1	47.8	46.8	45.9	46.0	46.6	45.6	45.0	46.2
40 - 44	42.4	42.9	41.9	41.2	41.1	41.7	40.9	40.3	41.3
45 - 49	37.7	38.1	37.3	36.6	36.4	37.1	36.4	35.9	36.7
50 - 54	33.0	33.2	32.7	32.0	31.8	32.6	31.8	31.4	32.1
55 - 59	28.4	28.6	28.3	28.1	27.4	28.2	27.4	27.0	27.7
60 - 64	24.1	24.5	24.1	24.2	23.2	23.7	23.4	23.1	23.5
65 - 69	20.0	20.4	19.9	19.9	19.2	19.8	19.4	19.4	19.4
70 - 74	15.8	16.3	16.0	16.4	15.4	15.9	15.4	16.1	15.6
75 - 79	12.1	12.5	12.5	12.9	12.0	12.3	11.8	13.3	12.1
80 - 84	9.0	9.2	9.3	9.7	8.9	9.4	8.5	11.0	9.0
85 - 89	6.1	6.4	6.4	6.8	6.2	6.6	6.1	8.4	6.3
90 +	3.9	4.2	4.1	5.3	3.9	4.4	4.0	5.1	4.0

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ii) Female Expectancies by Region and Age Group:

The Manitoba female life expectancy at age 0 is 79.6 years of age for 1986. The 1981 life expectancy at birth was estimated at 78.7 years. This shows an estimated increase of 0.9 years over a five year period - an increase similar to the male increase. Statistics Canada has calculated an estimate of life expectancy at age 0 in 1985 for Manitoba of 80.0 years. Statistics Canada uses deaths by province of residence while these expectancies are based on deaths by region of occurrence since we do not have mortality data for Manitobans dying out of province.

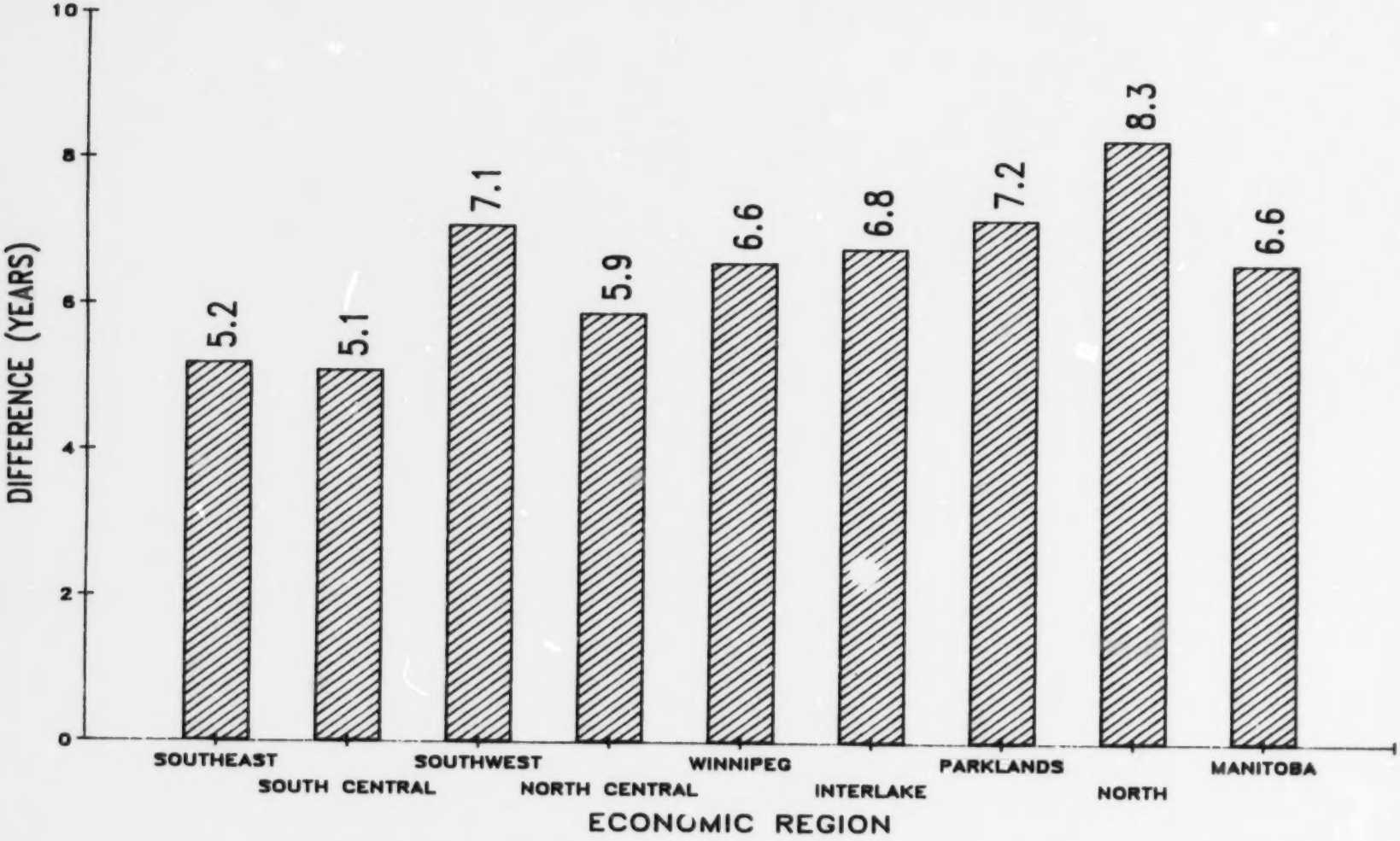
The South Central females had a life expectancy at age 0 of 81.2 years, followed by the Southwest at 80.7, the Interlake at 80.6 and the Southeast at 80.4 years. Close to the provincial figure of 79.6 were Winnipeg and North Central at 79.5 and 79.7 years respectively. The Parklands and North regions had the lowest life expectancies at 78.9 and 77.6 years respectively.

The North Central and North regions had the highest life expectancies in the 90 years or more category of 5.3 and 5.1 years. The Southeast and Winnipeg had the lowest expectancies in this age category of 3.9 years, while the Manitoba expectancy was 4.0 years. This expectancy in the 90 years or more category is the median years of life calculated from the 1985 to 1987 mortality distribution.

iii) Male and Female Life Expectancies Comparisons:

At the provincial level, the life expectancy of females at age 0 of 79.6 is 6.6 years greater than that of males at 73.0 years. This difference is the same as with the 1981 life expectancies of 78.7 for females and 72.1 for males. The Statistics Canada 1985 estimates of 78.0 years for females and 73.1 for males indicate that the spread between the female and male expectancies at age 0 was 6.9 years in 1985.

DIFFERENCES IN FEMALE MINUS MALE LIFE EXPECTANCIES AT AGE 0 BY ECONOMIC REGION



Data Source : Manitoba Bureau of Statistics

August, 1988

Ranking the life expectancies at age 0 shows that the five rural regions in the southern part of the province seem to be the longevity regions. Winnipeg ranks sixth for both males and females, while the Parklands and the North have the lowest life expectancies at age 0 for both males and females.

RANKING OF LIFE EXPECTANCIES AT AGE 0
BY REGION AND SEX

RANK	MALES		FEMALES	
	REGION	LIFE EXPECTANCY	REGION	LIFE EXPECTANCY
1	South Central	76.1	South Central	81.2
2	Southeast	75.2	Southwest	80.7
3	Interlake	73.8	Interlake	80.6
4	North Central	73.8	Southeast	80.4
5	Southwest	73.6	North Central	79.7
6	Winnipeg	72.9	Winnipeg	79.5
7	Parklands	71.7	Parklands	78.9
8	North	69.3	North	77.6
	Manitoba	73.0		79.6

All eight regions demonstrate higher female life expectancies than for males. The difference between female and male life expectancies at age 0 ranges from 8.9 years in the Interlake to 5.1 years in the South Central region.

Detailed life tables by age and sex for each region are included as Appendix 2.

IV. CONCLUSION:

The Manitoba Bureau of Statistics life expectancy tables based on 1985 to 1987 mortality data by region of occurrence show that females at age 0 are expected to live about six and one half years longer than males. This difference will eventually decrease to less than half a year in the Ninety Years or More category.

The North region has the lowest life expectancies at age 0 for both males and females: by 2.4 years for males and 1.3 years for females. This is due to the relatively higher number of deaths in the lower age groups.

The highest life expectancies at age 0 do not necessarily lead to the highest expectancies in the Ninety Years or More category.

The difference between female and male life expectancies at age 0 range from 5.1 years for South Central region to 8.3 years in the North.

For males, the life expectancies at age 0 range from a low of 69.3 years in the North to 76.1 years in the South Central region - a difference of 6.8 years.

For females, the life expectancies at age 0 range from a low of 77.6 years in the North to 81.2 years in the South Central region - a difference of only 4.6 years.

APPENDIX 1: DETAILED REGIONAL LIFE TABLES

Because of the smaller cell frequencies, abridged regional life tables have been constructed. An explanation of the various columns of the life tables follows:

Qx - The probability of dying in that particular age category. This probability is a function of deaths and population in that age category and is calculated from the formula:

$$Qx = 1 - e^{-N\,Mx - a\,N\,Mx}$$

where a = 0.008 for Manitoba
N = length of age category (usually 5 years)
Mx = mortality rate for age category x.

Qx in the open-ended ninety plus category is 1 since nobody survives beyond this age category.

Lx - The number of persons who reach the beginning of the age interval. For example, there are 23,759 males in Manitoba that would reach the 85 to 89 age category out of the 100,000 there were at age 0.

Dx - The number of persons that die each year within the indicated age interval. This number is the product of the probability of dying in a particular age category (Qx) and the number of people entering that age category (Lx).

LLx - The number of persons in the population who at any moment are living in that particular age cohort. Thus, according to Table 2.1, there are 490,261 males in the 20 to 24 age group.

Tx - The number of persons in the population who at any moment are living within the indicated age interval and all higher age intervals. Thus, if births remained at 100,000 per year, according to Table 2.1, there would be 5,544,185 males in the 20 to 24 or over age cohort.

Ex - The expectation of life or the average (median) number of years remaining to be lived by those surviving to that age cohort. Thus, according to Table 2.1, males in the 20 to 24 age group are expected to live an additional 56.4 years.

This is the second set of life expectancies prepared by the Manitoba Bureau of Statistics. The first set used mortality data for the years 1980 to 1982 with the 1981 Census population and was presented in Manitoba Regional Life Expectancies 1980-82 (MBS report 85-2).

Revisions have been made in the methodology, resulting in a lack of comparability between the 2 sets of life tables at a regional or age group basis. However, comparisons can be made at the provincial level i.e. an increase in life expectancies from 78.7 to 79.6 years for females and from 72.1 to 73.0 years for males between 1981 and 1986.

For the 1981 tables, the life expectancies were calculated for the 5 year age categories 0-4, 5-9, ..., 80-84, 85+ with the value for the 0-4 category then adjusted to the provincial figure for Life Expectancy at Birth.

For the 1986 tables, the number of categories has been increased by splitting the 0-4 category into 0 and 1-4 age groups and the 85+ category into 85-89 and 90+ age groups. The 90+ life expectancy is the median age of life after age 90 for those persons dying who are over 90 years of age (3.9 years for females and 3.6 for males). Statistics Canada methodology for Canada and the Provinces is to fit a 4th degree polynomial to the life expectancies for age categories 70-74, 75-79, 80-84 and 85-89. This method produced 1985 estimates for Manitoba of 4.7 years for females and 3.7 for males. The MBS 1986 life tables have estimates of 4.0 and 3.6 years for the 90+ category.

The 2 categories at the younger ages have been separated because of the high number of deaths in the first year of life relative to the 1-4 age category.

For the 1981 tables, the mortality rate for each category (Mx) was used as Qx directly while for the 1986 tables, Mx was used to calculate Qx through the formula:

$$Qx = 1 - e^{- N Mx - a N Mx}$$

where $a = 0.008$ for Manitoba

N = length of age category (usually 5 years)

Mx = mortality rate for age category x.

This change in calculation of the survival rates (1 - Qx) reduces the number of deaths (Dx column in the life tables) for the lower age categories and allocates the deaths to the highest age category (90+).

TABLE 2.1 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : SOUTHEAST REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.00571	100000	571	99714	7524586	75.2
1 - 4	0.00318	99429	316	397082	7424872	74.7
5 - 9	0.00050	99112	50	495438	7027790	70.9
10 - 14	0.00149	99063	147	494945	6532353	65.9
15 - 19	0.00584	98915	578	493132	6037408	61.0
20 - 24	0.00577	98338	567	490269	5544276	56.4
25 - 29	0.00579	97770	566	487435	5054007	51.7
30 - 34	0.00567	97204	551	484641	4566572	47.0
35 - 39	0.00538	96653	520	481963	4081931	42.2
40 - 44	0.00725	96133	697	478919	3599968	37.4
45 - 49	0.00991	95436	946	474809	3121049	32.7
50 - 54	0.02532	94489	2392	466444	2646240	28.0
55 - 59	0.03558	92097	3277	452249	2179796	23.7
60 - 64	0.06937	88820	6162	428530	1727547	19.4
65 - 69	0.12571	82658	10391	386788	1299017	15.7
70 - 74	0.17258	72267	12472	329265	912229	12.6
75 - 79	0.26345	59795	15753	257780	582964	9.7
80 - 84	0.33728	44042	14855	180777	325184	7.4
85 - 89	0.52031	29187	15186	103805	144408	4.9
90 +	1.00000	14001	14001	40602	40602	2.9
			FEMALES			
0	0.00895	100000	895	99552	8035573	80.4
1 - 4	0.00443	99105	439	395539	7936021	80.1
5 - 9	0.00104	98665	102	493069	7540483	76.4
10 - 14	0.00053	98563	52	492683	7047413	71.5
15 - 19	0.00224	98511	221	492001	6554730	66.5
20 - 24	0.00132	98290	130	491124	6062729	61.7
25 - 29	0.00245	98160	240	490199	5571604	56.8
30 - 34	0.00504	97920	493	488364	5081406	51.9
35 - 39	0.00508	97426	495	485894	4593042	47.1
40 - 44	0.00845	96932	819	482608	4107148	42.4
45 - 49	0.00684	96113	657	478918	3624540	37.7
50 - 54	0.01415	95455	1351	473891	3145622	33.0
55 - 59	0.02722	94104	2561	464091	2671731	28.4
60 - 64	0.03797	91543	3476	448974	2207640	24.1
65 - 69	0.04388	88067	3864	430609	1758666	20.0
70 - 74	0.08906	84203	7499	402002	1328057	15.8
75 - 79	0.16462	76703	12627	351095	926055	12.1
80 - 84	0.24266	64076	15549	279883	574960	9.0
85 - 89	0.42243	48527	20500	187170	295077	6.1
90 +	1.00000	28028	28028	107907	107907	3.9

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TABLE 2.2 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : SOUTH CENTRAL REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.00679	100000	679	99660	7612580	76.1
1 - 4	0.00077	99321	77	397129	7512920	75.6
5 - 9	0.00075	99244	74	496035	7115791	71.7
10 - 14	0.00077	99170	77	495657	6619757	66.8
15 - 19	0.00308	99093	305	494701	6124100	61.8
20 - 24	0.00622	98788	614	492401	5629398	57.0
25 - 29	0.00512	98173	502	489610	5136998	52.3
30 - 34	0.00445	97671	434	487269	4647388	47.6
35 - 39	0.00209	97237	204	485675	4160119	42.8
40 - 44	0.00914	97033	887	482944	3674445	37.9
45 - 49	0.02188	96146	2104	475452	3191500	33.2
50 - 54	0.01721	94042	1619	466153	2716048	28.9
55 - 59	0.04118	92423	3806	452541	2249895	24.3
60 - 64	0.05590	88617	4954	430594	1797354	20.3
65 - 69	0.09400	83663	7864	398364	1366760	16.3
70 - 74	0.16696	75799	12655	346487	968396	12.8
75 - 79	0.24266	63144	15323	275810	621909	9.8
80 - 84	0.36101	47821	17264	193043	346099	7.2
85 - 89	0.60853	30557	18595	99825	153057	5.0
90 +	1.00000	11962	11962	53232	53232	4.5
			FEMALES			
0	0.00905	100000	905	99547	8119317	81.2
1 - 4	0.00158	99095	156	396068	8019770	80.9
5 - 9	0.00078	98939	77	494501	7623703	77.1
10 - 14	0.00079	98862	78	494114	7129201	72.1
15 - 19	0.00322	98784	318	493124	6635088	67.2
20 - 24	0.00385	98466	379	491383	6141963	62.4
25 - 29	0.00091	98087	89	490214	5650580	57.6
30 - 34	0.00190	97998	186	489524	5160367	52.7
35 - 39	0.00231	97812	226	488492	4670843	47.8
40 - 44	0.00549	97585	536	486586	4182351	42.9
45 - 49	0.00458	97049	444	484135	3695765	38.1
50 - 54	0.01299	96605	1255	479883	3211630	33.2
55 - 59	0.02972	95350	2834	469635	2731747	28.6
60 - 64	0.03987	92516	3688	453305	2262112	24.5
65 - 69	0.05221	88828	4638	432452	1808807	20.4
70 - 74	0.07922	84190	6669	404071	1376355	16.3
75 - 79	0.14170	77521	10985	359511	972283	12.5
80 - 84	0.24266	66536	16146	290627	612772	9.2
85 - 89	0.40705	50390	20511	196653	322145	6.4
90 +	1.00000	29879	29879	125492	125492	4.2

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TABLE 2.3 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : SOUTHWEST REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.00971	100000	971	99514	7362739	73.6
1 - 4	0.00289	99029	286	395545	7263225	73.3
5 - 9	0.00042	98743	41	493614	6867680	69.6
10 - 14	0.00081	98702	80	493311	6374066	64.6
15 - 19	0.00442	98622	436	492021	5880756	59.6
20 - 24	0.00686	98186	674	489246	5388735	54.9
25 - 29	0.00559	97513	545	486200	4899489	50.2
30 - 34	0.00528	96968	512	483557	4413289	45.5
35 - 39	0.00732	96455	706	480510	3929732	40.7
40 - 44	0.01242	95749	1189	475768	3449222	36.0
45 - 49	0.01529	94560	1446	469177	2973455	31.4
50 - 54	0.02562	93114	2386	459584	2504277	26.9
55 - 59	0.04913	90729	4457	442415	2044693	22.5
60 - 64	0.08194	86271	7069	413457	1602278	18.6
65 - 69	0.13476	79202	10673	368748	1188821	15.0
70 - 74	0.19505	68529	13367	308139	820074	12.0
75 - 79	0.27184	55163	14995	236537	511935	9.3
80 - 84	0.40240	40168	16163	157309	275398	6.9
85 - 89	0.56188	24004	13487	82157	118089	4.9
90 +	1.00000	10517	10517	35932	35932	3.4
			FEMALES			
0	0.00574	100000	574	99713	8069925	80.7
1 - 4	0.00259	99426	257	397188	7970212	80.2
5 - 9	0.00044	99168	44	495733	7573025	76.4
10 - 14	0.00043	99125	43	495517	7077292	71.4
15 - 19	0.00293	99082	291	494683	6581774	66.4
20 - 24	0.00113	98791	111	493678	6087091	61.6
25 - 29	0.00078	98680	77	493207	5593413	56.7
30 - 34	0.00085	98603	83	492807	5100206	51.7
35 - 39	0.00329	98520	324	491788	4607399	46.8
40 - 44	0.00886	98196	870	488800	4115612	41.9
45 - 49	0.01319	97326	1284	483412	3626812	37.3
50 - 54	0.01849	96042	1776	475756	3143399	32.7
55 - 59	0.03012	94266	2840	464196	2667643	28.3
60 - 64	0.03563	91426	3258	448941	2203447	24.1
65 - 69	0.05826	88168	5137	427884	1754505	19.9
70 - 74	0.10058	83032	8351	393947	1326621	16.0
75 - 79	0.15145	74680	11310	344426	932675	12.5
80 - 84	0.23587	63370	14947	277970	588248	9.3
85 - 89	0.39813	48423	19279	190248	310278	6.4
90 +	1.00000	29145	29145	120030	120030	4.1

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TABLE 2.4 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : NORTH CENTRAL REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.00695	100000	695	99652	7382004	73.8
1 - 4	0.00235	99305	233	396752	7282352	73.3
5 - 9	0.00089	99071	88	495137	6885600	69.5
10 - 14	0.00257	98984	255	494281	6390462	64.6
15 - 19	0.00740	98729	730	491816	5896182	59.7
20 - 24	0.00864	97998	847	487872	5404366	55.1
25 - 29	0.00587	97151	571	484329	4916494	50.6
30 - 34	0.00642	96581	621	481350	4432166	45.9
35 - 39	0.00547	95960	525	478488	3950815	41.2
40 - 44	0.00997	95435	952	474794	3472327	36.4
45 - 49	0.01786	94483	1687	468188	2997534	31.7
50 - 54	0.02581	92796	2395	457971	2529346	27.3
55 - 59	0.03960	90402	3580	443004	2071374	22.9
60 - 64	0.07052	86822	6123	418633	1628370	18.8
65 - 69	0.16144	80699	13028	370060	1209737	15.0
70 - 74	0.17883	67671	12102	307201	839676	12.4
75 - 79	0.25197	55569	14002	241310	532475	9.6
80 - 84	0.35478	41567	14747	168540	291165	7.0
85 - 89	0.60520	26820	16231	87919	122625	4.6
90 +	1.00000	10588	10588	34707	34707	3.3
			FEMALES			
0	0.00333	100000	333	99834	7972555	79.7
1 - 4	0.00259	99667	259	398152	7872721	79.0
5 - 9	0.00093	99409	93	496812	7474570	75.2
10 - 14	0.00091	99316	90	496355	6977758	70.3
15 - 19	0.00098	99226	97	495886	6481403	65.3
20 - 24	0.00093	99129	92	495412	5985517	60.4
25 - 29	0.00364	99036	360	494281	5490105	55.4
30 - 34	0.00583	98676	575	491941	4995825	50.6
35 - 39	0.00664	98101	652	488873	4503884	45.9
40 - 44	0.01061	97449	1034	484656	4015011	41.2
45 - 49	0.01250	96415	1205	479056	3530355	36.6
50 - 54	0.03474	95210	3307	467737	3051299	32.0
55 - 59	0.04118	91903	3785	449991	2583562	28.1
60 - 64	0.02890	88118	2546	434195	2133571	24.2
65 - 69	0.08238	85571	7049	410006	1699377	19.9
70 - 74	0.09380	78522	7365	373925	1289371	16.4
75 - 79	0.14913	71157	10611	328611	915446	12.9
80 - 84	0.22582	60546	13672	267231	586835	9.7
85 - 89	0.43103	46873	20204	179589	319604	6.8
90 +	1.00000	26670	26670	140016	140016	5.3

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TABLE 2.5 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : WINNIPEG REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.01126	100000	1126	99436	7287273	72.9
1 - 4	0.00184	98874	182	395133	7187837	72.7
5 - 9	0.00009	98692	8	493441	6792704	68.8
10 - 14	0.00100	98684	99	493174	6299262	63.8
15 - 19	0.00380	98585	374	491991	5806088	58.9
20 - 24	0.00554	98211	544	489694	5314097	54.1
25 - 29	0.00517	97667	505	487071	4824403	49.4
30 - 34	0.00562	97162	546	484446	4337332	44.6
35 - 39	0.00727	96617	702	481325	3852886	39.9
40 - 44	0.01190	95914	1142	476712	3371561	35.2
45 - 49	0.02355	94773	2231	468265	2894849	30.5
50 - 54	0.03569	92541	3303	454405	2426584	26.2
55 - 59	0.05549	89239	4952	433707	1972179	22.1
60 - 64	0.08776	84287	7397	402686	1538472	18.3
65 - 69	0.13264	76890	10199	358408	1135786	14.8
70 - 74	0.20816	66692	13882	297532	777378	11.7
75 - 79	0.29708	52809	15689	222745	479846	9.1
80 - 84	0.40617	37120	15077	144963	257101	6.9
85 - 89	0.56008	22043	12346	75575	112138	5.1
90 +	1.00000	9697	9697	36564	36564	3.8
			FEMALES			
0	0.00959	100000	959	99520	7951145	79.5
1 - 4	0.00145	99041	143	395876	7851626	79.3
5 - 9	0.00009	98897	9	494464	7455750	75.4
10 - 14	0.00123	98888	121	494139	6961286	70.4
15 - 19	0.00171	98767	169	493415	6467146	65.5
20 - 24	0.00151	98599	149	492620	5973732	60.6
25 - 29	0.00249	98450	246	491634	5481111	55.7
30 - 34	0.00304	98204	299	490274	4989477	50.8
35 - 39	0.00386	97905	378	488582	4499204	46.0
40 - 44	0.00752	97528	733	485803	4010622	41.1
45 - 49	0.01196	96794	1158	481072	3524819	36.4
50 - 54	0.01967	95636	1881	473466	3043748	31.8
55 - 59	0.03178	93756	2980	461292	2570282	27.4
60 - 64	0.04422	90776	4014	443775	2108989	23.2
65 - 69	0.06750	86761	5857	419011	1665215	19.2
70 - 74	0.10959	80905	8867	381969	1246204	15.4
75 - 79	0.16344	72038	11774	329963	864235	12.0
80 - 84	0.26285	60264	15840	259901	534272	8.9
85 - 89	0.41569	44423	18466	172232	274371	6.2
90 +	1.00000	25957	25957	102139	102139	3.9

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TABLE 2.6 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : INTERLAKE REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.00830	100000	830	99585	7380653	73.8
1 - 4	0.00065	99170	65	396551	7281069	73.4
5 - 9	0.00064	99105	64	495368	6884518	69.5
10 - 14	0.00053	99042	52	495079	6389150	64.5
15 - 19	0.00601	98990	595	493459	5894071	59.5
20 - 24	0.01093	98394	1075	489279	5400613	54.9
25 - 29	0.00580	97319	564	485184	4911333	50.5
30 - 34	0.01025	96755	992	481291	4426150	45.7
35 - 39	0.00836	95763	800	476812	3944858	41.2
40 - 44	0.01143	94963	1085	472096	3468046	36.5
45 - 49	0.01558	93877	1463	465721	2995950	31.9
50 - 54	0.02625	92414	2425	455984	2530229	27.4
55 - 59	0.06216	89989	5594	435825	2074244	23.0
60 - 64	0.08812	84395	7437	403124	1638419	19.4
65 - 69	0.11003	76958	8468	363249	1235295	16.1
70 - 74	0.16766	68490	11483	312950	872046	12.7
75 - 79	0.27257	57007	15539	244330	559096	9.8
80 - 84	0.35208	41469	14600	168464	314766	7.6
85 - 89	0.51435	26868	13820	96065	146302	5.4
90 +	1.00000	13049	13049	50237	50237	3.9
			FEMALES			
0	0.00407	100000	407	99796	8056292	80.6
1 - 4	0.00213	99593	212	397947	7956495	79.9
5 - 9	0.00065	99381	65	496743	7558548	76.1
10 - 14	0.00056	99316	56	496441	7061805	71.1
15 - 19	0.00119	99260	118	496007	6565364	66.1
20 - 24	0.00149	99143	148	495342	6069357	61.2
25 - 29	0.00069	98994	68	494801	5574014	56.3
30 - 34	0.00504	98926	498	493383	5079213	51.3
35 - 39	0.00248	98428	245	491527	4585830	46.6
40 - 44	0.00984	98183	967	488496	4094303	41.7
45 - 49	0.01395	97217	1356	482686	3605808	37.1
50 - 54	0.01969	95861	1887	474570	3123122	32.6
55 - 59	0.02099	93973	1972	464919	2648551	28.2
60 - 64	0.04678	92001	4303	449168	2183632	23.7
65 - 69	0.05908	87697	5181	425415	1734464	19.8
70 - 74	0.09374	82516	7735	392955	1309050	15.9
75 - 79	0.17676	74781	13218	339891	916094	12.3
80 - 84	0.24044	61563	14802	269276	576204	9.4
85 - 89	0.39734	46760	18580	183823	306927	6.6
90 +	1.00000	28180	28180	123104	123104	4.4

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TABLE 2.7 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : PARKLANDS REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.01105	100000	1105	99447	7168437	71.7
1 - 4	0.00380	98895	376	394828	7068990	71.5
5 - 9	0.00086	98519	85	492384	6674162	67.7
10 - 14	0.00162	98434	160	491772	6181779	62.8
15 - 19	0.00890	98274	875	489182	5690007	57.9
20 - 24	0.01824	97400	1776	482545	5200825	53.4
25 - 29	0.00631	95623	603	476607	4718280	49.3
30 - 34	0.00853	95020	811	473070	4241673	44.6
35 - 39	0.01695	94209	1597	467043	3768603	40.0
40 - 44	0.00948	92612	878	460864	3301560	35.6
45 - 49	0.03278	91734	3007	451116	2840697	31.0
50 - 54	0.04206	88727	3732	434245	2389581	26.9
55 - 59	0.05404	84995	4593	413397	1955336	23.0
60 - 64	0.07693	80402	6185	386360	1541939	19.2
65 - 69	0.12401	74217	9204	347615	1155579	15.6
70 - 74	0.16247	65013	10562	297953	807964	12.4
75 - 79	0.23844	54450	12983	238464	510011	9.4
80 - 84	0.41625	41467	17261	160703	271547	6.5
85 - 89	0.59014	24207	14285	80584	110844	4.6
90 +	1.00000	9921	9921	30260	30260	3.1
			FEMALES			
0	0.00489	100000	489	99755	7891485	78.9
1 - 4	0.00207	99511	205	397633	7791730	78.3
5 - 9	0.00090	99306	89	496304	7394097	74.5
10 - 14	0.00088	99216	87	495863	6897793	69.5
15 - 19	0.00438	99129	434	494560	6401930	64.6
20 - 24	0.00573	98695	566	492061	5907370	59.9
25 - 29	0.00216	98130	212	490118	5415309	55.2
30 - 34	0.00601	97918	588	488116	4925191	50.3
35 - 39	0.00780	97329	759	484747	4437075	45.6
40 - 44	0.01310	96570	1265	479682	3952328	40.9
45 - 49	0.01173	95305	1118	473725	3472646	36.4
50 - 54	0.01775	94187	1672	466745	2998921	31.8
55 - 59	0.03907	92515	3615	453486	2532176	27.4
60 - 64	0.04530	88901	4027	434365	2078690	23.4
65 - 69	0.05978	84874	5074	411565	1644325	19.4
70 - 74	0.09722	79799	7758	379302	1232760	15.4
75 - 79	0.14771	72041	10641	332962	853458	11.8
80 - 84	0.30159	61400	18518	258207	520496	8.5
85 - 89	0.42970	42882	18426	164467	262290	6.1
90 +	1.00000	24456	24456	97823	97823	4.0

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TABLE 2.8 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : NORTH REGION

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.01602	100000	1602	99197	6929185	69.3
1 - 4	0.00418	98398	411	392768	6829988	69.4
5 - 9	0.00038	97987	37	489840	6437219	65.7
10 - 14	0.00331	97949	325	488935	5947380	60.7
15 - 19	0.01152	97625	1125	485306	5458445	55.9
20 - 24	0.01830	96500	1766	478072	4973138	51.5
25 - 29	0.01332	94734	1261	470510	4495066	47.4
30 - 34	0.01446	93473	1351	463977	4024556	43.1
35 - 39	0.01441	92121	1328	457279	3560579	38.7
40 - 44	0.02513	90793	2282	448241	3103299	34.2
45 - 49	0.03168	88512	2804	435514	2655058	30.0
50 - 54	0.04423	85707	3791	418995	2219544	25.9
55 - 59	0.06284	81916	5147	396588	1800549	22.0
60 - 64	0.10293	76769	7902	363767	1403962	18.3
65 - 69	0.13797	68867	9501	320050	1040195	15.1
70 - 74	0.18874	59365	11205	267934	720145	12.1
75 - 79	0.30012	48161	14454	202731	452211	9.4
80 - 84	0.37442	33707	12621	134762	249480	7.4
85 - 89	0.47812	21086	10082	77775	114719	5.4
90 +	1.00000	11004	11004	36944	36944	3.4
			FEMALES			
0	0.00902	100000	902	99549	7761562	77.6
1 - 4	0.00676	99098	670	395053	7662014	77.3
5 - 9	0.00039	98429	39	492047	7266961	73.8
10 - 14	0.00238	98390	235	491364	6774914	68.9
15 - 19	0.00380	98156	373	489845	6283550	64.0
20 - 24	0.00360	97783	352	488033	5793705	59.3
25 - 29	0.00560	97431	546	485789	5305672	54.5
30 - 34	0.00611	96885	592	482943	4819883	49.7
35 - 39	0.00541	96293	521	480162	4336940	45.0
40 - 44	0.01744	95772	1670	474675	3856778	40.3
45 - 49	0.01494	94102	1406	466988	3382103	35.9
50 - 54	0.01770	92696	1641	459368	2915116	31.4
55 - 59	0.04430	91056	4033	445125	2455747	27.0
60 - 64	0.06009	87022	5229	421916	2010622	23.1
65 - 69	0.09085	81793	7431	390122	1588706	19.4
70 - 74	0.13505	74362	10043	346156	1198584	16.1
75 - 79	0.20488	64319	13178	287516	852428	13.3
80 - 84	0.21537	51142	11014	227168	564912	11.0
85 - 89	0.22130	40127	8880	177602	337745	8.4
90 +	1.00000	31247	31247	160143	160143	5.1

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TABLE 2.9 REGIONAL LIFE EXPECTANCIES BY AGE AND SEX : MANITOBA

AGE	Qx	Lx	Dx	LLx	Tx	Ex
			MALES			
0	0.01066	100000	1066	99466	7299253	73.0
1 - 4	0.00226	98934	224	395290	7199787	72.8
5 - 9	0.00113	98711	111	493275	6804497	68.9
10 - 14	0.00133	98599	131	492670	6311222	64.0
15 - 19	0.00531	98469	523	491035	5818552	59.1
20 - 24	0.00755	97946	740	487878	5327517	54.4
25 - 29	0.00598	97206	581	484576	4839639	49.8
30 - 34	0.00661	96625	639	481525	4355062	45.1
35 - 39	0.00786	95986	754	478042	3873537	40.4
40 - 44	0.01213	95232	1155	473266	3395496	35.7
45 - 49	0.02181	94077	2051	465239	2922230	31.1
50 - 54	0.03305	92025	3042	452485	2456991	26.7
55 - 59	0.05271	88984	4690	433098	2004506	22.5
60 - 64	0.08380	84293	7064	403574	1571409	18.6
65 - 69	0.12908	77229	9969	360707	1167834	15.1
70 - 74	0.19396	67261	13046	302631	807127	12.0
75 - 79	0.27950	54215	15153	231325	504496	9.3
80 - 84	0.39173	39062	15302	154203	273171	7.0
85 - 89	0.55891	23760	13280	81553	118968	5.0
90 +	1.00000	10480	10480	37415	37415	3.6
			FEMALES			
0	0.00824	100000	824	99588	7962106	79.6
1 - 4	0.00253	99176	251	396204	7862518	79.3
5 - 9	0.00092	98926	91	494402	7466315	75.5
10 - 14	0.00098	98835	97	493933	6971913	70.5
15 - 19	0.00228	98738	226	493126	6477980	65.6
20 - 24	0.00185	98512	183	492105	5984854	60.8
25 - 29	0.00245	98330	241	491047	5492749	55.9
30 - 34	0.00349	98089	342	489589	5001702	51.0
35 - 39	0.00409	97747	400	487733	4512113	46.2
40 - 44	0.00876	97347	853	484599	4024380	41.3
45 - 49	0.01179	96494	1137	479621	3539781	36.7
50 - 54	0.01931	95357	1842	472165	3060160	32.1
55 - 59	0.03194	93515	2987	460070	2587994	27.7
60 - 64	0.04269	90528	3864	442915	2127924	23.5
65 - 69	0.06436	86664	5578	419234	1685009	19.4
70 - 74	0.10422	81086	8451	383952	1265775	15.6
75 - 79	0.16072	72635	11674	333221	881823	12.1
80 - 84	0.25590	60961	15600	264071	548602	9.0
85 - 89	0.41066	45361	18628	176542	284531	6.3
90 +	1.00000	26733	26733	107989	107989	4.0

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